

Datasheet for ABIN7590331
PTGS1 Protein (AA 27-602) (His tag)



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Overview

Quantity:	100 µg
Target:	PTGS1
Protein Characteristics:	AA 27-602
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGS1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>TDAG VPSPVNPCCY YPCQNQGVCV RFGLDHYQCD CTRTGYSGPN CTIPEIWTWL RSSLRPSPSF</p> <p>THFLLTHGYW IWEFVNATFI REVLMLRVIT VRSNLIPSP TYNTAHDYIS WESFSNVSYY</p> <p>TRILPSVPKD CPTPMGKGG KQLPDIHLLA QRLLLRREFI PGPQGTNVLF AFFAQHFTHQ</p> <p>FFKTSGKMGP GFTKALGHGV DLGHIYGDSL ERQYHLRLFK DGKLYQVLD GEVYPPSVEQ</p> <p>ASVLMRYPPG VPPEKQMAVG QEVFGLLPGL MLFSTIWLRE HNRVCDLLKE EHPTWDDEQL</p> <p>FQTRLILIG ETIKIIIEEY VQHLSGYFLQ LKFDPELLFR AQFQYRNRIA LEFNHLYHWH</p> <p>PLMPDSFQVG SQEYSYEQFL FNTSMLVDYG VEALVDAFSR QRAGRIGGGR NFDYHVLHVA</p> <p>EDVIKESREM RLQSFNEYRK RFGLKPYTSF QEFTGEKEMA AELEELYGDI DALEFYPLGLM</p> <p>LEKQCQNSLF GESMIEMGAP FSLKGLLGNP ICSPEYWKPS TFGGDVGFNI VNTASLKKLV</p> <p>CLNTKTCPIV SFRVPDYPGD DGSVFVRPST EL</p>
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

Target Details

Target: PTGS1

Alternative Name: Prostaglandin G/H synthase 1 (Ptgs1) ([PTGS1 Products](#))

Background: Recommended name: Prostaglandin G/H synthase 1.
EC= 1.14.99.1.
Alternative name(s): Cyclooxygenase-1.
Short name= COX-1 Prostaglandin H2 synthase 1.
Short name= PGH synthase 1.
Short name= PGHS-1.
Short name= PHS 1 Prostaglandin-endoperoxide synthase 1

UniProt: [Q63921](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling

Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.